

Abstract

5 **PROCESS FOR THE PREPARATION OF (3R,3aS,6aR)-HEXAHYDROFURO**
 [2,3-B] FURAN-3-YL (1S,2R)-3-[[4-AMINOPHENYL) SULFONYL]
 (ISOBUTYL) AMINO]-1-BENZYL-2-HYDROXYPROPYLCARBAMATE

10 The present invention relates to a process for the preparation of (3R,3aS,6aR)-
hexahydrofuro [2,3-b] furan-3-yl (1S,2R)-3-[[4-aminophenyl) sulfonyl] (isobutyl)
amino]-1-benzyl-2-hydroxypropylcarbamate as well as intermediates for use in said
process. More in particular the invention relates to processes for the preparation of
(3R,3aS,6aR)-hexahydrofuro [2,3-b] furan-3-yl (1S,2R)-3-[[4-aminophenyl) sulfonyl]
15 (isobutyl) amino]-1-benzyl-2-hydroxypropylcarbamate which make use of 4-amino-N-
((2R,3S)-3-amino-2-hydroxy-4-phenylbutyl)-N-(isobutyl)benzene sulfonamide
intermediate, and to processes amenable to industrial scaling up. (3R,3aS,6aR)-
hexahydrofuro [2,3-b] furan-3-yl (1S,2R)-3-[[4-aminophenyl) sulfonyl] (isobutyl)
amino]-1-benzyl-2-hydroxypropylcarbamate is particularly useful as HIV protease
inhibitors.